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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/605,509	06/28/2000	Hiroshi Tatekawa	971.0037USU	5245

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EXAMINER

VO, TUNG T

ART UNIT PAPER NUMBER

2613

DATE MAILED: 09/02/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/605,509

Applicant(s)

HIROSHI TATEKAWA

Examiner

Christopher Kelley

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) ____ is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4 and 6-8 is/are rejected.
- 7) ☐ Claim(s) 5 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 June 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3,4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim Rejections - 35 USC § 103

Claims 1, 3, 6, and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nichani (U.S. Patent 6,721,461).

As for claims 1, 3 and 6, Nichani teaches a quantitative code display (see figures 5a-5m and 8a-8c) for displaying coded data representing pixels (see column 6 lines 1-5 and 9-12). Furthermore, Nichani's fig. 1-3 teach a display screen showing separate viewing areas. Nichani does not teach a qualitative display wherein the area is separate and smaller than the first display, but it would be obvious to one who is skilled in the art at the time of invention for a person to display the qualitative data on a separate screen that is as small or as large as he/she deems necessary.

As for claim 2, it is rejected under 35 USC 103(a) as being unpatentable over Koizumi et al (US Patent 5,801,764) in view of Bacus et al (US Patent 6,674,884).

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Koizumi et al. teaches the same test head for reading an output signal, an image processor which processes the output data in said memory, a display unit for displaying data, and an input device.

It is noted that Koizumi is silent about a memory which stores output data from said test head and about an image processor comprising an image view display for qualitatively displaying pixel characteristics in a first range of the imaging device on said display unit according to an operator's command, and a code view display for quantitatively displaying on said display unit numerical or symbolic data of individual pixels in a second range that is smaller than said first range and designated in an area displayed by said image view display. However, Nichani teaches the same limitations as previously set forth in the above rejection of claims 1,3 and 6.

Moreover, Bacus et al. teaches in column 5 lines 12-15, that there is a qualitative display of pixel information on a screen.

Claim 4 rejected under 35 U.S.C. 103(a) as being unpatentable over Nichani in view of Bacus.

Regarding claim 4, Nichani teaches the same limitations as previously set forth in the above rejection of claim 2.

Nichani is silent about a code view display comprising a code view and a coordinate display for displaying the coordinates of data located at a central position in said code view display.

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However, Bacus et al. teaches a reproduced image having coordinates from which to produce this replica (see column 5 lines 22-24).

Thus, it is obvious to one who is skilled in the art at the time of invention to recognize the advantage of having a code view display comprising a coordinate display for displaying the coordinates of data located at a central position or any position in said code view display.

As for claim 5, Nichani et al. teaches the same limitations as previously set forth in the above rejection of claim 2.

Nichani, however, does not teach a marker display for indicating data shown at a central position.

Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 7 rejected under 35 U.S.C. 103(a) as being unpatentable over Nichani et al. in view of Koizumi et al.

As for claim 7, Nichani et al. teaches the same limitations as previously set forth in the above rejection of claim 6.

It is noted that Nichani is silent about the step of processing the retrieved digital data.

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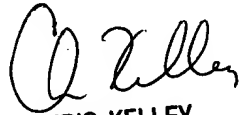
It is also noted that Koizumi et al. teaches a step of processing retrieved data (column 3 lines 62-64).

Therefore, it is obvious to one who is skilled in the art at the time of invention that data that is received from an outside imaging device would have to be processed by some type of image processor.

Conclusion

Any questions, concerns, or comments about this communication should be directed to Chris S. Kelley who can be reached at (703) 305-4856. The fax phone numbers for the organization where this application is assigned are (703) 308-9052 for regular communications and (703) 308-9052 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.


CHRIS KELLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600